

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08367

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> C12N5/10, C12N15/09, C12Q1/02, A61K45/00, A61P3/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> C12N5/10, C12N15/09, C12Q1/02, A61K45/00, A61P3/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS (DIALOG), WPI (DIALOG), REGISTRY (STN), CA (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Endoh H. et al., Purification and identification of p68 RNA helicase acting as a transcriptional coactivator specific for the activation function 1 of human estrogen receptor $\alpha$ ., Mol.Cell.Biol., 1999, Vol.19, No.8, pages 5363 to 5372	1-8
A	Deeb SS. et al., A Prol2Ala substitution in PPARGgamma2 associated with decreased receptor activity, lower body mass index and improved insulin sensitivity., Nat.Genet., 1998, Vol.20, No.3, pages 284 to 287	1-8

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
16 September, 2003 (16.09.03)Date of mailing of the international search report  
30 September, 2003 (30.09.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Pihlajamaki J. et al., The Prol2Ala substitution in the peroxisome proliferator activated receptor gamma 2 is associated with an insulin-sensitive phenotype in families with familial combined hyperlipidemia and in nondiabetic elderly subjects with dyslipidemia., Atherosclerosis., 2000, Vol.151, No.2, pages 567 to 574	1-8
A	Meirchaeghe A. et al., Impact of the Peroxisome Proliferator Activated Receptor gamma2 Prol2Ala polymorphism on adiposity, lipids and non-insulin-dependent diabetes mellitus., Int.J.Obes.Relat. Metab.Disord., 2000, Vol.24, No.2, pages 195 to 199	1-8
A	Patrone C. et al., Divergent pathways regulate ligand-independent activation of ER alpha in SK-N-BE neuroblastoma and COS-1 renal carcinoma cells., Mol.Endocrinol., 1998, Vol.12, No.6, pages 835 to 841	1-8
A	WO 01/42307 A (SUMITOMO CHEM. CO., LTD.), 14 June, 2001 (14.06.01), & AU 200118868 A & EP 1237925 A1 & JP 2003-516137 A	1-8
A	Suk K. et al., Identification of a novel human member of the DEAD box protein family., Biochim. Biophys.Acta., 2000, Vol.1501, No.1, pages 63 to 69	1-8

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## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 9  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
Concerning "a substance obtained by the above screening method" as described in claim 9, no specific substance is presented in the description as a substance obtained by the screening method. Thus, claim 9 is neither supported by the description nor disclosed (continued to extra sheet)
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

Continuation of Box No.I-2 of continuation of first sheet(1)

therein. Even though the common technical knowledge at the point of the application is taken into consideration, it is completely unknown what specific compounds are involved therein and what are not. Thus, the above claim is described in an unclear manner. Such being the case, no meaningful search can be made on the invention as set forth in the above claim.